



# Blast 2 Sequences results

PubMed

Entrez

BLAST

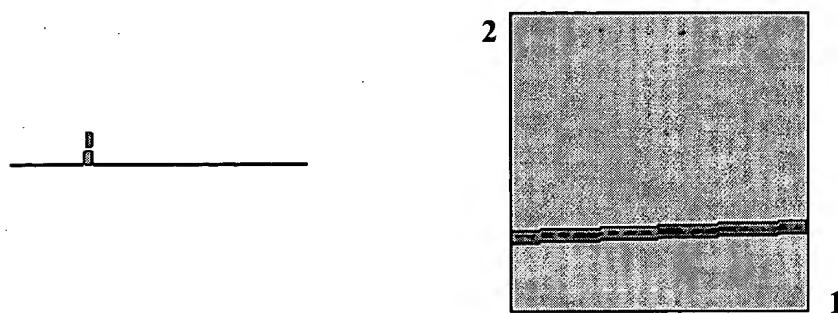
OMIM

Taxonomy

Structure

## BLAST 2 SEQUENCES RESULTS VERSION BLASTN 2.2.6 [Apr-09-2003]

Match:  Mismatch:  gap open:  gap extension:   
 x\_dropoff:  expect:  wordsize:  Filter  Align

**Sequence 1** lcl|seq\_1**Length** 117 (1 .. 117)**Sequence 2** gi 307165 Human myeloid cell differentiation protein (MCL1) mRNA. **Length** 3934 (1 .. 3934)

NOTE: The statistics (bitscore and expect value) is calculated based on the size of nr database

NOTE: If protein translation is reversed, please repeat the search with reverse strand of the query sequence

Score = 225 bits. (117), Expect = 1e-56

Identities = 117/117 (100%)

Strand = Plus / Plus

Query: 1 gatgggtttgtggagttcttccatgttagaggacctagaagggtggcatcaggaatgtgctg 60  
 Sbjct: 997 gatgggtttgtggagttcttccatgttagaggacctagaagggtggcatcaggaatgtgctg 1056

Query: 61 ctggctttgcagggtttgtggagttaggagctgggttggcatatctaataagatag 117  
 Sbjct: 1057 ctggctttgcagggtttgtggagttaggagctgggttggcatatctaataagatag 1113

CPU time: 0.02 user secs. 0.00 sys. secs 0.02 total secs.

Lambda	K	H
1.33	0.621	1.12

Gapped Lambda	K	H
1.33	0.621	1.12

Matrix: blastn matrix:1 -2

Gap Penalties: Existence: 5, Extension: 2  
Number of Hits to DB: 1  
Number of Sequences: 0  
Number of extensions: 1  
Number of successful extensions: 1  
Number of sequences better than 10.0: 1  
Number of HSP's better than 10.0 without gapping: 1  
Number of HSP's successfully gapped in prelim test: 0  
Number of HSP's that attempted gapping in prelim test: 0  
Number of HSP's gapped (non-prelim): 1  
length of query: 117  
length of database: 8,612,495,175  
effective HSP length: 23  
effective length of query: 94  
effective length of database: 8,612,495,152  
effective search space: 809574544288  
effective search space used: 809574544288  
T: 0  
A: 0  
X1: 6 (11.5 bits)  
X2: 26 (50.0 bits)  
S1: 12 (23.8 bits)  
S2: 19 (37.2 bits)



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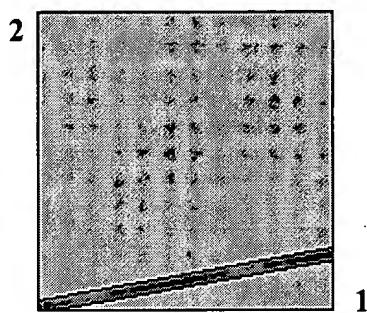
OMIM

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**BLAST 2 SEQUENCES RESULTS VERSION BLASTN 2.2.6 [Apr-09-2003]**

Match:  Mismatch:  gap open:  gap extension:   
 x\_dropoff:  expect:  wordsize:  Filter  Align

**Sequence 1** lcl|seq\_1**Length** 688 (1 .. 688)**Sequence 2** gi [307165](#) Human myeloid cell differentiation protein (MCL1) mRNA.**Length** 3934 (1 .. 3934)

NOTE: The statistics (bitscore and expect value) is calculated based on the size of nr database

NOTE: If protein translation is reversed, please repeat the search with reverse strand of the query sequence

Score = 1285 bits (668), Expect = 0.0  
 Identities = 679/688 (98%)  
 Strand = Plus / Plus



Query: 1 atgtttggcctcaaaagaaaacgcggtaatcgactcaacctctactgtnnnnnnccggc 60  
 Sbjct: 61 atgtttggcctcaaaagaaaacgcggtaatcgactcaacctctactgtggggggccggc 120

Query: 61 ttggggccggcagccggccaccggccggggggcgactttggctacggagaag 120  
 Sbjct: 121 ttggggccggcagccggccaccggccggggggcgactttggctacggagaag 180

Query: 121 gaggcctcgccccggcagagataggggggaggggaggccggcggtattggcgaagc 180  
 Sbjct: 181 gaggcctcgccccggcagagataggggggaggggaggccggcggtattggcgaagc 240

Query: 181 gccggcgcaagccccccgtccaccctcacgccagactccggagggtcgccggccggc 240  
 Sbjct: 241 gccggcgcaagccccccgtccaccctcacgccagactccggagggtcgccggccggc 300

Query: 241 cccattggcgccgagggtcccgcacgtcaccgcgaccccgcgaggctgctttcttcgcg 300  
|||  
Sbjct: 301 cccattggcgccgagggtcccgcacgtcaccgcgaccccgcgaggctgctttcttcgcg 360

Query: 301 cccacccggcgccgcggcgccgcttggagatggaagccccggcgctgacgccccatcatg 360  
|||  
Sbjct: 361 cccacccggcgccgcggcgccgcttggagatggaagccccggcgctgacgccccatcatg 420

Query: 361 tcgcccgaagaggagctggacgggtacgagccggagcctctcgaaaagcggccggctgtc 420  
|||  
Sbjct: 421 tcgcccgaagaggagctggacgggtacgagccggagcctctcgaaaagcggccggctgtc 480

Query: 421 ctgccgctgctggagttggtcggggaatctggtaataaacaccagtacggacgggtcacta 480  
|||  
Sbjct: 481 ctgccgctgctggagttggtcggggaatctggtaataaacaccagtacggacgggtcacta 540

Query: 481 ccctcgacgcccggccagcagaggaggaggacgttgcggcactgtaccggcactcgctggag 540  
|||  
Sbjct: 541 ccctcgacgcccggccagcagaggaggaggacgttgcggcactcgctggag 600

Query: 541 attatctctcggtacccctcgggagcaggccacccggcgccaaggacacaaagccaatgggc 600  
|||  
Sbjct: 601 attatctctcggtacccctcgggagcaggccacccggcgccaaggacacaaagccaatgggc 660

Query: 601 aggtctggggccaccacgaggaaggcgctggagacacctacgacgggttgggatggcgtg 660  
|||  
Sbjct: 661 aggtctggggccaccacgaggaaggcgctggagacacctacgacgggttgggatggcgtg 720

Query: 661 cagcgcaaccacgagacggccttccaag 688  
|||  
Sbjct: 721 cagcgcaaccacgagacggccttccaag 748

CPU time: 0.02 user secs. 0.00 sys. secs 0.02 total secs.

Lambda K H  
1.33 0.621 1.12

Gapped  
Lambda K H  
1.33 0.621 1.12

Matrix: blastn matrix:1 -2  
Gap Penalties: Existence: 5, Extension: 2  
Number of Hits to DB: 5  
Number of Sequences: 0  
Number of extensions: 5  
Number of successful extensions: 3  
Number of sequences better than 10.0: 1  
Number of HSP's better than 10.0 without gapping: 1  
Number of HSP's successfully gapped in prelim test: 0  
Number of HSP's that attempted gapping in prelim test: 0  
Number of HSP's gapped (non-prelim): 1  
length of query: 688  
length of database: 8,612,495,175  
effective HSP length: 24  
effective length of query: 664  
effective length of database: 8,612,495,151

effective search space: 5718696780264  
effective search space used: 5718696780264  
T: 0  
A: 0  
X1: 6 (11.5 bits)  
X2: 26 (50.0 bits)  
S1: 12 (23.8 bits)  
S2: 20 (39.1 bits)



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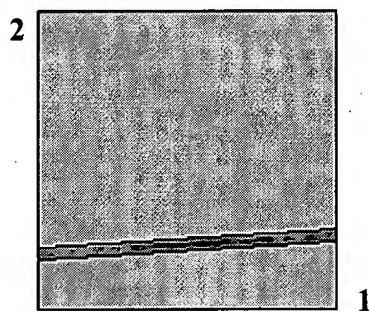
OMIM

Taxonomy

Structure

**BLAST 2 SEQUENCES RESULTS VERSION BLASTN 2.2.6 [Apr-09-2003]**

Match:  Mismatch:  gap open:  gap extension:   
 x\_dropoff:  expect:  wordsize:  Filter  Align

**Sequence 1** lcl|seq\_1**Length** 248 (1 .. 248)**Sequence 2** gi [307165](#) Human myeloid cell differentiation protein (MCL1) mRNA.**Length** 3934 (1 .. 3934)

NOTE: The statistics (bitscore and expect value) is calculated based on the size of nr database

NOTE: If protein translation is reversed, please repeat the search with reverse strand of the query sequence

Score = 477 bits (248), Expect = e-132

Identities = 248/248 (100%)

Strand = Plus / Plus.



Query: 1 gcatgcttcggaaactggacatcaaaaacgaagacgtgtgaaatcggtgtctcgagtga 60

Sbjct: 749 gcatgcttcggaaactggacatcaaaaacgaagacgtgtgaaatcggtgtctcgagtga 808

Query: 61 tgatccatgtttcagcgacggcgtaacaaactggggcaggatttgactctcatttctt 120

Sbjct: 809 tgatccatgtttcagcgacggcgtaacaaactggggcaggatttgactctcatttctt 868

Query: 121 ttgggccttggctaaacacttgaagaccataaaccataaaggaaagctgcattcgaccat 180

Sbjct: 869 ttgggccttggctaaacacttgaagaccataaaccataaaggaaagctgcattcgaccat 928

Query: 181 tagcagaaagtatcacagacgttctcgtaaggacaaaacggactggctagttaaacaaa 240

Sbjct: 929 tagcagaaagtatcacagacgttctcgtaaggacaaaacggactggctagttaaacaaa 988

Query: 241 gaggctgg 248

|||||||

Sbjct: 989 gaggctgg 996

CPU time: 0.02 user secs. 0.01 sys. secs 0.03 total secs.

Lambda K H  
1.33 0.621 1.12

Gapped

Lambda K H  
1.33 0.621 1.12

Matrix: blastn matrix:1 -2

Gap Penalties: Existence: 5, Extension: 2

Number of Hits to DB: 1

Number of Sequences: 0

Number of extensions: 1

Number of successful extensions: 1

Number of sequences better than 10.0: 1

Number of HSP's better than 10.0 without gapping: 1

Number of HSP's successfully gapped in prelim test: 0

Number of HSP's that attempted gapping in prelim test: 0

Number of HSP's gapped (non-prelim): 1

length of query: 248

length of database: 8,612,495,175

effective HSP length: 24

effective length of query: 224

effective length of database: 8,612,495,151

effective search space: 1929198913824

effective search space used: 1929198913824

T: 0

A: 0

X1: 6 (11.5 bits)

X2: 26 (50.0 bits)

S1: 12 (23.8 bits)

S2: 20 (39.1 bits)